

## QUERY CONTROL FORM

**RTIS USE ONLY**

Application No. 08/914,332  
Examiner-GAU Prouty - 1652

Prepared by Lois Stone  
Date 12/18/03  
No. of queries 1

Tracking Number 5863974  
Week Date 11/24/03  
IFW

## JACKET

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	<b>p. PTO-1449</b>
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

## SPECIFICATION

- Page Missing
- Text Continuity
- Holes through Data
- Other Missing Text
- Illegible Text
- Duplicate Text
- Brief Description
- Sequence Listing
- Appendix
- Amendments
- Other

## CLAIMS

- a. Claim(s) Missing
- b. Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering
- e. Index Disagrees
- f. Punctuation
- g. Amendments
- h. Bracketing
- i. Missing Text
- j. Duplicate Text
- k. Other

## MESSAGE

Please provide copies of the PTO-1449 Forms with citations either initialed or lined through. Copies provided for reference.

Thank you,

initials **CS**

## RESPONSE

initials

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 00398/097002		SERIAL NO. 08/914,332	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 CFR 1.98(b))				APPLICANT Diane W. Bianchi et al.		FILING DATE July 14, 1997	
				GROUP			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AA							
AB							
AC							
AD							
AE							
AF							
AG							
AH							
AI							
AJ							
AK							
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL	WD 95/03431	07/19/94	PCT				
AM							
AN							
AO							
AP							
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
AO							
AR							
AS							
EXAMINER				DATE CONSIDERED			

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 00398/097002		SERIAL NO. 08/914,332	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Diane W. Bianchi et al.			
(37 CFR 1.98(b))				FILING DATE July 14, 1997		GROUP	
PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA							
AB							
AC							
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	AD						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	AE	Bianchi, Diane W. et al., Fetal cells in maternal blood: Determination of purity and yield by quantitative polymerase chain reaction, Am J Obstet Gynecol <u>171</u> :922-926, 1994.					
	AF	Cazier, A. et al., Comparison of the effects of a preliminary hepatic washing and of saponin on the intracellular penetration of peroxidase-labeled anti-rat albumin antibodies in hepatocytes, Histochemistry <u>87</u> :251-256, 1987.					
	AG	DeMaria, Mary Ann et al., Improved Fetal Nucleated Erythrocyte Sorting Purity Using Intracellular Antifetal Hemoglobin and Hoechst 33342, Cytometry <u>25</u> :37-45, 1996.					
	AH	Firestone, Lawrence et al., Comparison of Autofocus Methods for Automated Microscopy, Cytometry <u>12</u> :195-206, 1991.					
	AI	Franek, Karl J. et al., Reliable Method for the Simultaneous Detection of Cytoplasmic and Surface CD3a Expression by Murine Lymphoid Cells, Cytometry <u>17</u> :224-236, 1994.					
	AJ	Geifman-Holtzman, O. et al., Detection of fetal HLA-DQa sequences in maternal blood: a gender-independent technique of fetal cell identification, Prenat Diagn <u>15</u> :261-8, 1995.					
	AK	Geifman-Holtzman, O. et al., Fetal Rhd genotyping in fetal cells flow sorted from maternal blood, Am J Obstet Gynecol <u>174</u> :818-22, 1996.					
	AL	Mann, Graham J. et al., Immunofluorescent Quantification of Ribonucleotide Reductase M1 Subunit and Correlation With DNA Content by Flow Cytometry, Cytometry <u>8</u> :509-517, 1987.					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Substitute Disclosure Form (PTO-1449)

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 00398/097002		SERIAL NO. 08/914,332	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Diane W. Bianchi et al.		FILING DATE July 14, 1997	
				GROUP			
PATENT & TRADEMARK OFFICE							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BA							
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
BB							
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
BC		Sekizawa, A., MD, et al., Prenatal diagnosis of Duchenne muscular dystrophy using a single fetal nucleated erythrocyte in maternal blood, Neurology 46:1350-1353, 1996.					
BD		Simpson, Joe Leigh et al., Isolating Fetal Cells From Maternal Blood - Advances in Prenatal Diagnosis Through Molecular Technology, JAMA, 270:2357-2361, 1993.					
BE		Takabayashi, Haruo et al., Development of Non-invasive Fetal DNA Diagnosis from Maternal Blood, Prenatal Diagnosis 15:74-77, 1995.					
BF		Zheng et al., Flow Sorting of Fetal Erythroblasts Using Intracytoplasmic Anti-Fetal Haemoglobin: Preliminary Observations on Maternal Samples, Prenatal Diagnosis 15:897-905, 1995.					
BG							
BH							
BI							
BJ							
BK							
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Substitute Disclosure Form (PTO-1449)

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
00398/097002SERIAL NO.  
08/914,332INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(37 C.F.R. 1.98(b))APPLICANT  
Diana W. Bianchi et al.FILING DATE  
July 14, 1997

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	4 9 1 0 1 3 1	3/90	Mellman et al.			
AB	5 1 8 0 8 1 4	1/93	Hanna, Jr. et al.			
AC	5 2 8 8 4 7 7	2/94	Bacus			
AD	5 3 8 7 5 2 0	2/95	Lo Presti et al.			
AE	5 4 1 1 8 6 1	5/95	Seed et al.			
AF	5 4 2 2 2 7 7	6/95	Connelly et al.			
AG						
AH						
AI						
AJ						
AK						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL							
AM							
AN							
AO							
AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AO	Berger et al., Simultaneous Detection of $\beta$ -Galactosidase Activity and Surface Antigen Expression in Viable Haematopoietic Cells, Cytometry 17:216-223, 1994.
AR	Bianchi et al., Detection of fetal cells with 47, XY, + 21 karyotype in maternal peripheral blood, Hum. Genet. 90:368-370, 1992.
AS	Bianchi, Clinical Trials and Experience: Boston, Annals of the New York Academy of Sciences 731:92-102, 1994.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
00398/097002SERIAL NO.  
08/914,332INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
Diana W. Bianchi et al.FILING DATE  
July 14, 1997

GROUP

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

BA	Bianchi et al., Erythroid-Specific Antibodies Enhance Detection of Fetal Nucleated Erythrocytes in Maternal Blood, Prenatal Diagnosis <u>13</u> :293-300, 1993.
BB	Bianchi et al., Isolation of fetal DNA from nucleated erythrocytes in maternal blood, Proc. Natl. Acad. Sci. USA <u>87</u> :3279-3283, 1990.
BC	Boyer et al., Fetal hemoglobin Restriction to a Few Erythrocytes (F Cells) in Normal Human Adults, Science <u>188</u> :361, 1975.
BD	Brunch et al., Cellular Origins of the Fetal-Haemoglobin-Containing Cells of Normal Adults, The Lancet <u>1163</u> -1165, 1979.
BE	Clevenger et al., Quantitative Analysis of a Nuclear Antigen in Interphase and Mitotic Cells, Cytometry <u>8</u> :280-286, 1987.
BF	D'Alton et al., Current Problems in Obstetrics, Gynecology and Fertility <u>XVII</u> :41-80, 1994.
BG	Geifman-Holtzman et al., Prenatal Genetic Diagnosis by Isolation and Analysis of Fetal Cells Circulating in Maternal Blood, Seminars in Perinatology <u>18</u> :366-375, 1994.
BH	Jacobberger et al., Analysis of Intracellular Antigens by Flow Cytometry, Cytometry <u>7</u> :356-364, 1986.
BI	Kumar et al., Cell Separation: A Review, Pathology <u>16</u> :53-62, 1984.
BJ	Papayannopoulou et al., Erythroid Progenitors Circulating in the Blood of Adult Individuals Produce Fetal Hemoglobin in Culture, Science <u>199</u> :1349-1350, 1978.
BK	Parks et al., Flow Cytometry and Fluorescence-Activated Cell Sorting, Fundamental Immunology, Second Ed., Chapter 29, 781-802, 1989.
BL	Pembrey et al., Maternal Synthesis of Haemoglobin F in Pregnancy, The Lancet, June 16, 1350-1354, 1973.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
00398/097002SERIAL NO.  
08/914,332INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
Diana W. Bianchi et al.FILING DATE  
July 14, 1997

GROUP

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

CA	Pipe et al., Flow-Cytometric Detection of the RIX Subunit of Type I C-AMP-Dependent Protein Kinase in Human Cells, <i>Cytometry</i> <u>15</u> :73-79 1994.
CB	Pollice et al., Sequential Paraformaldehyde and Methanol Fixation for Simultaneous Flow Cytometric Analysis of DNA, Cell Surface Proteins, and Intracellular Proteins, <i>Cytometry</i> <u>13</u> :432-444, 1992.
CC	Popat et al., Pattern of Maternal F-Cell Production During Pregnancy, <i>The Lancet</i> , August 20, 377-379, 1977.
CD	Price et al., Prenatal diagnosis with fetal cells isolated from maternal blood by multiparameter flow cytometry, <i>Am. J. Obstet. Gynecol.</i> <u>165</u> :1731-1737, 1991.
CE	Ren et al., Topology of Prostaglandin H Synthase-1 in the Endoplasmic Reticulum Membrane, <i>Archives of Biochem. and Biophys.</i> <u>323</u> (1):205-214, 1995.
CF	Ruff-Roberts et al., FISH on Flow-Sorted Cells, <i>Am. J. of Human Genetics</i> , <u>57</u> (4):A287. No. 1671.
CG	Schimenti et al., Fixation of Mammalian Cells for Flow Cytometric Evaluation of DNA Content and Nuclear Immunofluorescence, <i>Cytometry</i> , <u>13</u> :48-59, 1992.
CH	Schmid et al., A Gentle Fixation and Permeabilization Method for Combined Cell Surface and Intracellular Staining with improved Precision in DNA Quantification, <i>Cytometry</i> <u>12</u> :279-285 1981.
CI	Wachtel et al., Fetal cells in the maternal circulation: isolation by multiparameter flow cytometry and confirmation by polymerase chain reaction, <i>Human Reproduction</i> <u>6</u> :1466-1469, 1991.
CJ	Yheng et al., Flow sorting of Fetal Erythroblasts using Intracytoplasmic Anti-Fetal Haemoglobin: Preliminary Observations on Maternal Samples, <i>Prenatal Diagnosis</i> <u>15</u> :897-905, 1995.
CK	Zheng et al., Prenatal diagnosis from maternal blood: simultaneous immunophenotyping and FISH of fetal nucleated erythrocytes isolated by negative magnetic cell sorting, <i>J. Med. Genet.</i> <u>30</u> :1051-1056, 1993.
CL	PCT/US96/01806 PCT search report mailed April 11, 1996.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)